AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A heat-protection wall ~~(2)~~ for an exhaust-gas turbine, the exhaust-gas turbine having a turbine casing ~~(1)~~, a shaft ~~(3)~~ rotatably mounted in a bearing housing ~~(4)~~, and a turbine wheel ~~(5)~~ arranged on the shaft, and the heat-protection wall ~~(2)~~ defining with the turbine casing ~~(1)~~ an inflow passage ~~(6)~~ leading to the turbine wheel, ~~characterized in that~~ wherein the heat-protection wall has means ~~(21, 22, 23)~~ for centering the turbine casing ~~(1)~~ relative to the shaft ~~(3)~~ mounted in the bearing housing ~~(4)~~.

2. (Currently Amended) The heat-protection wall as claimed in claim 1, ~~characterized in that~~ wherein the heat-protection wall has at least two seatings ~~(21, 22)~~ as means for centering the turbine casing relative to the shaft, a first seating ~~(21)~~ of the at least two seatings being provided for resting on the bearing housing ~~(4)~~, and a second seating ~~(22)~~ of the at least two seatings being provided for resting on the turbine casing ~~(1)~~.

3. (Currently Amended) The heat-protection wall as claimed in claim 2, ~~characterized in that~~ wherein at least one of the first or second seatings is designed as an encircling edge ~~(21)~~ which is provided for resting on the bearing housing ~~(4)~~ and/or the turbine casing ~~(1)~~.

4. (Currently Amended) The heat-protection wall as claimed in claim 3, ~~characterized in that~~ wherein the first and second seatings ~~(22, 21)~~ are designed to be directed radially in the same direction.

5. (Currently Amended) The heat-protection wall as claimed in ~~either of claims 2 and 3, characterized in that~~ claim 2, wherein the heat-protection wall ~~(2)~~ has centering lugs ~~(23)~~ either in the region of the first seating ~~(21)~~ or in the region of the second seating ~~(22)~~, which centering lugs ~~(23)~~ are provided for engaging in slots ~~(45, 15)~~ which are set into either the bearing housing (4) or the turbine casing ~~(1)~~.

6. (Currently Amended) The heat-protection wall as claimed in ~~either of claims 2 and 3, characterized in that~~ claim 2, wherein slots are set into the heat-protection wall either

in the region of the first seating or in the region of the second seating, which slots are provided for receiving centering lugs attached either to the bearing housing or to the turbine casing.

7. (Currently Amended) A bearing housing ~~(4)~~ for an exhaust-gas turbine, the exhaust-gas turbine having a turbine casing ~~(1)~~, a shaft ~~(3)~~ rotatably mounted in the bearing housing, a turbine wheel ~~(5)~~ arranged on the shaft, and a heat-protection wall ~~(2)~~ which, in the exhaust-gas turbine, defines with the turbine casing an inflow passage ~~(6)~~ leading to the turbine wheel, the heat-protection wall having means ~~(21, 22, 23)~~ for centering the turbine casing ~~(1)~~ relative to the shaft ~~(3)~~ mounted in the bearing housing, ~~characterized in that~~ wherein the bearing housing has means ~~(41, 45)~~ for centering the turbine casing ~~(1)~~ via the heat-protection wall ~~(2)~~ and relative to the shaft ~~(3)~~ mounted in the bearing housing.

8. (Currently Amended) The bearing housing as claimed in claim 7, ~~characterized in that~~ wherein the bearing housing, as means for centering the turbine casing via the heat-protection wall and relative to the shaft mounted in the bearing housing, comprises at least one seating ~~(41)~~ for resting on the heat-protection wall.

9. (Currently Amended) The bearing housing as claimed in claim 8, ~~characterized in that~~ wherein the seating of the bearing housing is designed as an encircling edge ~~(41)~~.

10. (Currently Amended) The bearing housing as claimed in claim 7, ~~characterized in that~~ wherein the bearing housing, as means for centering the turbine casing via the heat-protection wall and relative to the shaft mounted in the bearing housing, has centering lugs which are provided for engaging in slots which are set into the heat-protection wall ~~(2)~~.

11. (Currently Amended) The bearing housing as claimed in claim 7, ~~characterized in that~~ wherein slots ~~(45)~~ are set into the bearing housing as means for centering the turbine casing via the heat-protection wall and relative to the shaft mounted in the bearing housing, which slots ~~(45)~~ are provided for receiving centering lugs ~~(23)~~ attached to the heat-protection wall.

12. (Currently Amended) A turbine casing ~~(1)~~ for an exhaust-gas turbine, the exhaust-gas turbine having a bearing housing ~~(4)~~, a shaft ~~(3)~~ rotatably mounted in the bearing housing, a turbine wheel ~~(5)~~ arranged on the shaft, and a heat-protection wall ~~(2)~~

which, in the exhaust-gas turbine, defines with the turbine casing an inflow passage ~~(6)~~ leading to the turbine wheel, the heat-protection wall having means ~~(21, 22, 23)~~ for centering the turbine casing ~~(1)~~ relative to the shaft ~~(3)~~ mounted in the bearing housing, ~~characterized in that~~ wherein the turbine casing has means ~~(11, 15)~~ for centering the turbine casing ~~(1)~~ via the heat-protection wall ~~(2)~~ and relative to the shaft ~~(3)~~ mounted in the bearing housing.

13. (Currently Amended) The turbine casing as claimed in claim 12, ~~characterized in that~~ wherein the turbine casing, as means for centering the turbine casing via the heat-protection wall and relative to the shaft mounted in the bearing housing, comprises at least one seating ~~(11)~~ for resting on the heat-protection wall ~~(2)~~.

14. (Currently Amended) The turbine casing as claimed in ~~either of claims 12 and 13, characterized in that~~ claim 12, wherein the turbine casing, as means for centering the turbine casing via the heat-protection wall and relative to the shaft mounted in the bearing housing, has centering lugs which are provided for engaging in slots which are set into the heat-protection wall ~~(2)~~.

15. (Currently Amended) The turbine casing as claimed in claim 12, ~~characterized in that~~ wherein slots ~~(15)~~ are set into the turbine casing as means for centering the turbine casing via the heat-protection wall and relative to the shaft mounted in the bearing housing, which slots ~~(15)~~ are provided for receiving centering lugs ~~(23)~~ attached to the heat-protection wall.

16. (Currently Amended) An exhaust-gas turbine having a turbine casing ~~(1)~~, a shaft ~~(3)~~ rotatably mounted in a bearing housing ~~(4)~~, a turbine wheel ~~(5)~~ arranged on the shaft, and a heat-protection wall ~~(2)~~ as claimed in ~~one of claims 1 to 6~~ claim 1, the heat-protection wall defining with the turbine casing an inflow passage ~~(6)~~ leading to the turbine wheel.

17. (Currently Amended) The exhaust-gas turbine as claimed in claim 16, ~~characterized in that~~ wherein the heat-protection wall ~~(2)~~ contains a material which has a higher coefficient of thermal expansion than the material of the turbine casing ~~(1)~~.

18. (Currently Amended) An exhaust-gas turbine having a turbine casing ~~(1)~~, a shaft ~~(3)~~ rotatably mounted in a bearing housing ~~(4)~~, a turbine wheel ~~(5)~~ arranged on the shaft, and a heat-protection wall ~~(2)~~ as claimed in claim 4, the heat-protection wall defining with the turbine casing an inflow passage ~~(6)~~ leading to the turbine wheel, ~~characterized in~~

~~that~~ wherein an encircling edge ~~(41)~~ for resting on the encircling edge ~~(21)~~ of the heat-protection wall is provided on the bearing housing and/or on the turbine casing.

19. (Currently Amended) An exhaust-gas turbine having a turbine casing ~~(1)~~, a shaft ~~(3)~~ rotatably mounted in a bearing housing ~~(4)~~, a turbine wheel ~~(5)~~ arranged on the shaft, and a heat-protection wall ~~(2)~~ as claimed in claim 5, the heat-protection wall defining with the turbine casing an inflow passage ~~(6)~~ leading to the turbine wheel, ~~characterized in that~~ wherein slots which are provided for receiving the centering lugs ~~(23)~~ attached to the heat-protection wall are set into either the bearing housing ~~(4)~~ or the turbine casing ~~(1)~~.

20. (Currently Amended) An exhaust-gas turbine having a turbine casing ~~(1)~~, a shaft ~~(3)~~ rotatably mounted in a bearing housing ~~(4)~~, a turbine wheel ~~(5)~~ arranged on the shaft, and a heat-protection wall ~~(2)~~ as claimed in claim 6, the heat-protection wall defining with the turbine casing an inflow passage ~~(6)~~ leading to the turbine wheel, ~~characterized in that~~ wherein centering lugs which are provided for engaging in the slots which are set into the heat-protection wall are arranged either on the bearing housing ~~(4)~~ or on the turbine casing ~~(1)~~.